

COST IN U.S. DOLLARS	SINCE FILE	TOTAL
FULL ESTIMATED COST	ENTRY	SESSION
	20.29	28.30

DISCOUNT AMOUNTS (FOR QUALIFYING ACCOUNTS)	SINCE FILE	TOTAL
CA SUBSCRIBER PRICE	ENTRY	SESSION
	-3.90	-3.90

FILE 'REGISTRY' ENTERED AT 13:17:43 ON 16 MAR 2007
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STRUCTURE FILE UPDATES: 15 MAR 2007 HIGHEST RN 926596-82-9
 DICTIONARY FILE UPDATES: 15 MAR 2007 HIGHEST RN 926596-82-9

New CAS Information Use Policies, enter HELP USAGETERMS for details.

TSCA INFORMATION NOW CURRENT THROUGH December 2, 2006

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 predicted properties as well as tags indicating availability of
 experimental property data in the original document. For information
 on property searching in REGISTRY, refer to:

<http://www.cas.org/ONLINE/UG/regprops.html>

```
=> E "TRIBUTYLAMMONIUM CHLORIDE"/CN 25
E1      1      TRIBUTYLAMMONIUM BORODISALICYLATE/CN
E2      1      TRIBUTYLAMMONIUM BROMIDE/CN
E3      0 --> TRIBUTYLAMMONIUM CHLORIDE/CN
E4      1      TRIBUTYLAMMONIUM CHLORIDE HYDRATE/CN
E5      1      TRIBUTYLAMMONIUM CLOFIBRATE/CN
E6      1      TRIBUTYLAMMONIUM CYANAMIDATE/CN
E7      1      TRIBUTYLAMMONIUM DECAHYDRO-8-ETHYL-7,9-DICARBAUNDECABORATE/CN
E8      1      TRIBUTYLAMMONIUM FLUORIDE/CN
E9      1      TRIBUTYLAMMONIUM FORMATE/CN
E10     1      TRIBUTYLAMMONIUM GLUCOSYL PHOSPHATE/CN
E11     1      TRIBUTYLAMMONIUM HEXAFLUOROARSENATE/CN
E12     1      TRIBUTYLAMMONIUM HEXAFLUOROPHOSPHATE/CN
E13     1      TRIBUTYLAMMONIUM HEXAFLUOROSILICATE/CN
E14     1      TRIBUTYLAMMONIUM IODIDE/CN
E15     1      TRIBUTYLAMMONIUM ISOCYANATE/CN
E16     1      TRIBUTYLAMMONIUM METHYLENEDIPHOSPHONATE/CN
E17     1      TRIBUTYLAMMONIUM NITRATE/CN
E18     1      TRIBUTYLAMMONIUM OCTACYANOMOLYBDATE (V) /CN
E19     1      TRIBUTYLAMMONIUM P-TOLUENESULFONATE/CN
E20     1      TRIBUTYLAMMONIUM PENTACHLOROPHENOLATE/CN
E21     1      TRIBUTYLAMMONIUM PERCHLORATE/CN
E22     1      TRIBUTYLAMMONIUM PERFLUOROCTYLSULFONATE/CN
E23     1      TRIBUTYLAMMONIUM PHENOLATE/CN
E24     1      TRIBUTYLAMMONIUM PHENYLSULFONATE/CN
E25     1      TRIBUTYLAMMONIUM PHOSPHATE/CN
```

```
=> file caplu
COST IN U.S. DOLLARS
FULL ESTIMATED COST
```

SINCE FILE	TOTAL
ENTRY	SESSION
0.45	28.75

DISCOUNT AMOUNTS (FOR QUALIFYING ACCOUNTS)	SINCE FILE ENTRY	TOTAL SESSION
CA SUBSCRIBER PRICE	0.00	-3.90

FILE 'CAPLUS' ENTERED AT 13:18:07 ON 16 MAR 2007
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FILE COVERS 1907 - 16 Mar 2007 VOL 146 ISS 13
 FILE LAST UPDATED: 15 Mar 2007 (20070315/ED)

Effective October 17, 2005, revised CAS Information Use Policies apply. They are available for your review at:

<http://www.cas.org/infopolicy.html>

=> s iontophor?
 L7 5933 IONTOPHOR?

=> s l1 and l7
 710 L1
 L8 1 L1 AND L7

=> d ti au so py

L8 ANSWER 1 OF 1 CAPLUS COPYRIGHT 2007 ACS on STN
 TI Iontophoretic delivery of rotigotine for the treatment of
 Parkinson's disease
 IN Wolff, Hans-Michael; Bouwstra, Johanna Aaltje; Li, Gai Ling; Nugroho,
 Akhmad Kharis
 SO Eur. Pat. Appl., 11 pp.
 CODEN: EPXXDW
 PY 2004
 2005
 2005
 2005
 2005
 2004
 2004
 2004
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FILE 'HOME' ENTERED AT 13:14:30 ON 16 MAR 2007

=> file reg

COST IN U.S. DOLLARS

SINCE FILE

TOTAL

ENTRY

SESSION

FULL ESTIMATED COST

0.21

0.21

FILE 'REGISTRY' ENTERED AT 13:15:17 ON 16 MAR 2007

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DICTIONARY FILE UPDATES: 15 MAR 2007 HIGHEST RN 926596-82-9

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TSCA INFORMATION NOW CURRENT THROUGH December 2, 2006

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<http://www.cas.org/ONLINE/UG/regprops.html>

=> E "TRIETHYLAMMONIUM CHLORIDE"/CN 25

E1 1 TRIETHYLAMMONIUM CATION/CN

E2 1 TRIETHYLAMMONIUM CHLORANILATE/CN

E3 1 --> TRIETHYLAMMONIUM CHLORIDE/CN

E4 1 TRIETHYLAMMONIUM CHLORIDE MONOHYDRATE/CN

E5 1 TRIETHYLAMMONIUM CHLOROACETATE/CN

E6 1 TRIETHYLAMMONIUM CHLOROCHROMATE/CN

E7 1 TRIETHYLAMMONIUM CHLOROSULFONATE/CN

E8 1 TRIETHYLAMMONIUM

CIS-TETRACHLOROBIS(4-ETHYLPYRIDINE-N) MOLYBDATE(III)/CN

E9 1 TRIETHYLAMMONIUM CITRACONATE/CN

E10 1 TRIETHYLAMMONIUM CLOFIBRATE/CN

E11 1 TRIETHYLAMMONIUM CLOSO-NONAHYDRO-4-CARBANONABORATE/CN

E12 1 TRIETHYLAMMONIUM CYANAMIDE/CN

E13 1 TRIETHYLAMMONIUM CYCLAMATE/CN

E14 1 TRIETHYLAMMONIUM CYCLIC URIDINE-3',5'-PHOSPHATE/CN

E15 1 TRIETHYLAMMONIUM CYCLOHEXYLSULFAMATE/CN

E16 1 TRIETHYLAMMONIUM

DECAHYDRO-7,8-DIPHENYL-7,8-NIDO-DICARBAUNDECABORATE/CN

E17 1 TRIETHYLAMMONIUM DIAQUABIS(CATECHOLATO) MANGANATE(1-)/CN

E18 1 TRIETHYLAMMONIUM

DICHLORO(1,2-BIS(2-PYRIDINECARBOXAMIDATO)-4,5-DIMETHYLBENZENE) FERRATE(III)/CN

E19 1 TRIETHYLAMMONIUM DICHLOROACETATE/CN

E20 1 TRIETHYLAMMONIUM DICHLOROCUPRATE(1-)/CN

E21 1 TRIETHYLAMMONIUM DICHLORODINITROSULFERRATE(1-)/CN

E22 1 TRIETHYLAMMONIUM

DICHLORONITROSYL(TRIS(3,5-DIMETHYLPYRAZOLYL) BORATO) MOLYBDATE(1-)/CN

E23 1 TRIETHYLAMMONIUM DICYANODIHYDROBORATE/CN

E24 1 TRIETHYLAMMONIUM DIFFRACTATE/CN

E25 1 TRIETHYLAMMONIUM DIHEXADECYL PHOSPHATE/CN

=> S E3

L1 1 "TRIETHYLAMMONIUM CHLORIDE"/CN

=> DIS L1 1 IDE

L1 ANSWER 1 OF 1 REGISTRY COPYRIGHT 2007 ACS on STN

RN 554-68-7 REGISTRY

ED Entered STN: 16 Nov 1984

CN Ethanamine, N,N-diethyl-, hydrochloride (9CI) (CA INDEX NAME).

OTHER CA INDEX NAMES:

CN Triethylamine, hydrochloride (7CI, 8CI)

OTHER NAMES:

CN N,N-Diethylethanamine hydrochloride

CN Triethylamine monohydrochloride

CN Triethylammonium chloride

MF C6 H15 N . Cl H

CI COM

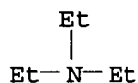
LC STN Files: AGRICOLA, ANABSTR, BEILSTEIN*, BIOSIS, CA, CAOLD, CAPLUS, CASREACT, CHEMCATS, CHEMINFORMRX, CHEMLIST, CSCHEM, CSNB, DETHERM*, GMELIN*, HSDB*, IFICDB, IFIPAT, IFIUDB, IPA, MSDS-OHS, PIRA, RTECS*, SPECINFO, TOXCENTER, USPAT2, USPATFULL

(*File contains numerically searchable property data)

Other Sources: EINECS**, NDSL**, TSCA**

(**Enter CHEMLIST File for up-to-date regulatory information)

CRN (121-44-8)



● HCl

PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

710 REFERENCES IN FILE CA (1907 TO DATE)

35 REFERENCES TO NON-SPECIFIC DERIVATIVES IN FILE CA

710 REFERENCES IN FILE CAPLUS (1907 TO DATE)

1 REFERENCES IN FILE CAOLD (PRIOR TO 1967)

=> file caplus

COST IN U.S. DOLLARS

SINCE FILE

TOTAL

ENTRY

SESSION

FULL ESTIMATED COST

7.80

8.01

FILE 'CAPLUS' ENTERED AT 13:16:17 ON 16 MAR 2007 ✓

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FILE COVERS 1907 - 16 Mar 2007 VOL 146 ISS 13
FILE LAST UPDATED: 15 Mar 2007 (20070315/ED)

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They are available for your review at:

<http://www.cas.org/infopolicy.html>

=> s rotigotine

L2 67 ROTIGOTINE

=> s l1 and l2

710 L1

L3 1 L1 AND L2

=> d ti au so py

L3 ANSWER 1 OF 1 CAPLUS COPYRIGHT 2007 ACS on STN

TI Iontophoretic delivery of rotigotine for the treatment of
Parkinson's disease

IN Wolff, Hans-Michael; Bouwstra, Johanna Aaltje; Li, Gai Ling; Nugroho,
Akhmad Kharis

SO Eur. Pat. Appl., 11 pp.

CODEN: EPXXDW

PY 2004

2005

2005

2005

2005

2004

2004

2004

2004

2005

2006

2005

2006

2006

2006

2005

2005

=> s cosmetic?

L4 82294 COSMETIC?

=> s l1 and l4

710 L1

L5 5 L1 AND L4

=> d ti au abs so py 1-5

L5 ANSWER 1 OF 5 CAPLUS COPYRIGHT 2007 ACS on STN

TI Gel compositions and their use for perfumes, topical preparations, and
cosmetics

IN Hiwata, Kozo; Ishiwatari, Masaaki

AB The gel compns. contain gellan gum and electrolytes releasing NH₄⁺ ion. A
transparent gel composition containing dipropylene glycol 5.0, gellan gum 0.5,
L-arginine HCl salt 1.5, buffer 0.2, antiseptic, chelating agent, and H₂O
to 100 weight% showed water separation only 0.1-3% after 1-wk storage at
25°.

SO Jpn. Kokai Tokkyo Koho, 14 pp.

CODEN: JKXXAF

PY 2004

L5 ANSWER 2 OF 5 CAPLUS COPYRIGHT 2007 ACS on STN

TI Hydrophobically modified saccharide surfactants

IN Booten, Karl; Levecke, Bart; Stevens, Christian Victor

AB The invention relates to the use as surfactant, for the preparation of dispersions of multiphase systems that comprise a continuous aqueous phase containing a high concentration of electrolytes, of hydrophobically modified saccharides (I) and (II) $[A]_n(-M)_s$ (I) $[B]_m(-M)_{s'}$ (II) where $[A]_n$ represents a fructan-type saccharide $[B]_m$ represents a starch-type saccharide, $(-M)$ represents a hydrophobic moiety that substitutes a hydrogen atom of a hydroxyl group of the fructosyl and/or glucosyl units of the fructan-type and starch-type saccharides, and s and s' , which can have the same value or not, represent the number of said hydrophobic moieties that substitute the fructosyl or glucosyl unit, expressed as average degree of substitution (average DS) which ranges from 0.01 to 0.5. The hydrophobic group is either an alkylcarbamoyl radical $R-NH-CO-$ (forming N-substituted carbamic acid esters) or an alkylcarbonyl radical $R-CO-$ (forming carboxylic acid esters), wherein R represents a linear or branched, saturated or unsatd. C4-C32 alkyl group. The invention also discloses a method for the preparation and/or stabilization of and/or formulations for dispersions of multiphase systems that comprise a continuous aqueous phase containing a high concentration of electrolytes, of up to 1M, by using as surfactant one or more hydrophobically modified saccharides (I) and/or (II) defined above.

SO PCT Int. Appl., 35 pp.

CODEN: PIXXD2

PY 2003

2003

2003

2004

2005

2004

2004

2005

2005

2005

2005

2004

L5 ANSWER 3 OF 5 CAPLUS COPYRIGHT 2007 ACS on STN

TI Cosmetic compositions containing ascorbyl-phosphoryl-cholesterol

IN Ptchelintsev, Dmitri

AB To a derivative of L-ascorbic acid which is stable, easily incorporated into cosmetically acceptable vehicles and enzymically bioreversible in the skin to free ascorbic acid and a safe alkanol component. The L-ascorbic acid derivative is a compound selected from the group consisting of 3'-(L-ascorbyl-2-o-phosphoryl)-cholesterol (I) or homologs and salts thereof. Ascorbic cholesteryl phosphodiester acid (II) was prepared by stirring ascorbic cholesteryl phosphodiester chloridate (preparation given) with Amberlyst-15 in THF. Amberlyst-15 was removed by filtration and II was separated and purified. I at 11.3, 22.5, and 45 $\mu\text{g/mL}$ stimulated collagen production in cultured human skin fibroblast.

SO PCT Int. Appl., 37 pp.

CODEN: PIXXD2

PY 1998

1998

1999

2000

1999

1998

2003

1998

2000

2001
2005
2001
2005
2000
2000
2001
2006

L5 ANSWER 4 OF 5 CAPLUS COPYRIGHT 2007 ACS on STN

TI Preparation of α -olefin dimers.

IN Kadoi, Yasunori; Maezawa, Hiroshi; Matsumoto, Junichi

AB The title compds., $\text{CH}_2\text{:CR}_1\text{-CH}_2\text{-CH}_2\text{-R}_1$ ($\text{R}_1 = \text{C}_3\text{-25 cyclohydrocarbyl}$), useful as lubricants, intermediates for cosmetics, and monomers (no data), are prepared via dimerization of $\text{CH}_2\text{:CHR}_1$, the resp. α -olefin in the presence of a catalyst containing (A) compds. containing Group IVB transition metals, (B) compds. containing a cation (containing elements

selected from Group IIIB, IVB, VB, VIB, VIIB, VIIIB, IA, IB, IIA, IIB, and VIIA) and an anion with multiple groups attached to an element selected from Group VB, VIB, VIIB, VIII, IB, IIB, IIIA, IVA, and VA, and, optionally, (C) an aluminum compound A mixture of triisobutylaluminum, $[\text{Et}_3\text{NH}][\text{BC}_6\text{F}_5)_4]$ ($\text{C}_6\text{F}_5 = \text{pentafluorophenyl}$), Cp_2ZrCl_2 ($\text{Cp} = \text{cyclopentadiene}$) (preparation given), and vinylcyclohexane was heated at 50° for 4 h to give the corresponding dimer with 97% selectivity and 65.8% conversion from vinylcyclohexane.

SO Jpn. Kokai Tokkyo Koho, 11 pp.

CODEN: JKXXAF

PY 1993

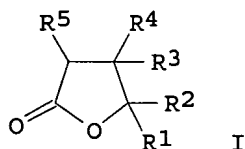
1998

L5 ANSWER 5 OF 5 CAPLUS COPYRIGHT 2007 ACS on STN

TI Manufacture of γ -lactones

IN Takagi, Keiichi; Amaike, Masayasu; Ito, Masamichi; Katsuta, Yasuhiro; Tamura, Hiroshi

GI



AB Title compds. I ($\text{R}_1 = \text{H}$, C1-15 alkyl; $\text{R}_2 = \text{H}$, Me, Et; R_1 and R_2 together may form butylene or pentylene; $\text{R}_3 = \text{H}$, C1-15 alkyl; R_4 , $\text{R}_5 = \text{H}$, Me), useful as flavors for foods and cosmetics, are manufactured by heating $\text{R}_1\text{R}_2\text{CHOH}$ (II) and $\text{R}_3\text{R}_4\text{C:CR}_5(\text{CO}_2\text{R}_6)$ (III; $\text{R}_6 = \text{C}_1\text{-8 alkyl}$) in the presence of an organic peroxide and an N-containing compound Thus, autoclaving BuOH, Me crotonate, 1,1-bis-tert-butylperoxycyclohexane, and butylamine under N at $140\text{-}150^\circ$ gave 31.2% β -methyl- γ -propyl- γ -lactone.

SO Jpn. Kokai Tokkyo Koho, 5 pp.

CODEN: JKXXAF

PY 1992

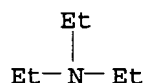
1999

=> s l1

L6 710 L1

=> file reg

L1 ANSWER 1 OF 1 REGISTRY COPYRIGHT 2007 ACS on STN
 RN 554-68-7 REGISTRY
 ED Entered STN: 16 Nov 1984
 CN Ethanamine, N,N-diethyl-, hydrochloride (9CI) (CA INDEX NAME)
 OTHER CA INDEX NAMES:
 CN Triethylamine, hydrochloride (7CI, 8CI)
 OTHER NAMES:
 CN N,N-Diethylethanamine hydrochloride
 CN Triethylamine monohydrochloride
 CN Triethylammonium chloride
 MF C6 H15 N . Cl H
 CI COM
 LC STN Files: AGRICOLA, ANABSTR, BEILSTEIN*, BIOSIS, CA, CAOLD, CAPLUS,
 CASREACT, CHEMCATS, CHEMINFORMRX, CHEMLIST, CSCHEM, CSNB, DETHERM*,
 GMELIN*, HSDB*, IFICDB, IFIPAT, IFIUDB, IPA, MSDS-OHS, PIRA, RTECS*,
 SPECINFO, TOXCENTER, USPAT2, USPATFULL
 (*File contains numerically searchable property data)
 Other Sources: EINECS**, NDSL**, TSCA**
 (**Enter CHEMLIST File for up-to-date regulatory information)
 CRN (121-44-8)



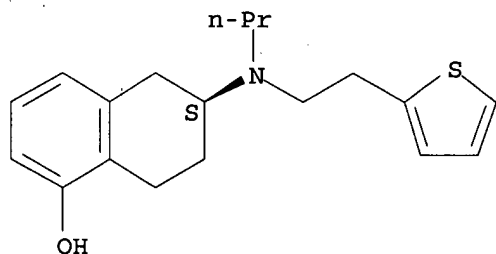
● HCl

PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

710 REFERENCES IN FILE CA (1907 TO DATE)
 35 REFERENCES TO NON-SPECIFIC DERIVATIVES IN FILE CA
 710 REFERENCES IN FILE CAPLUS (1907 TO DATE)
 1 REFERENCES IN FILE CAOLD (PRIOR TO 1967)

L5 ANSWER 1 OF 1 REGISTRY COPYRIGHT 2007 ACS on STN
 RN 99755-59-6 REGISTRY
 ED Entered STN: 18 Jan 1986
 CN 1-Naphthalenol, 5,6,7,8-tetrahydro-6-[propyl[2-(2-thienyl)ethyl]amino]-, (6S)- (9CI) (CA INDEX NAME)
 OTHER CA INDEX NAMES:
 CN 1-Naphthalenol, 5,6,7,8-tetrahydro-6-[propyl[2-(2-thienyl)ethyl]amino]-, (S)-
 OTHER NAMES:
 CN (-)-N 0437
 CN N 0923
 CN Rotigotine
 CN SPM 962
 FS STEREOSEARCH
 MF C19 H25 N O S
 CI COM
 SR CA
 LC STN Files: ADISINSIGHT, ANABSTR, BEILSTEIN*, BIOSIS, CA, CAPLUS, CBNB, CIN, DDFU, DRUGU, IMSDRUGNEWS, IMSPATENTS, IMSRESEARCH, IPA, PATDPASPC, PHAR, PROMT, PROUSDDR, SYNTHLINE, TOXCENTER, USAN, USPAT2, USPATFULL
 (*File contains numerically searchable property data)

Absolute stereochemistry. Rotation (-).



PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

115 REFERENCES IN FILE CA (1907 TO DATE)
 5 REFERENCES TO NON-SPECIFIC DERIVATIVES IN FILE CA
 115 REFERENCES IN FILE CAPLUS (1907 TO DATE)